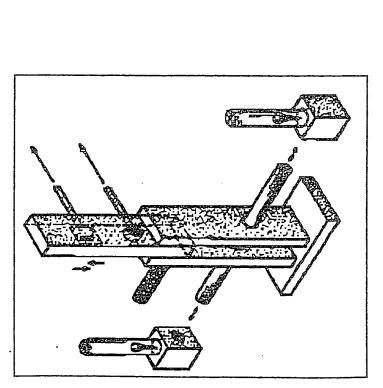
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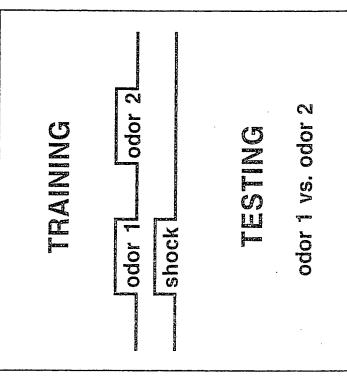


Fig. 1

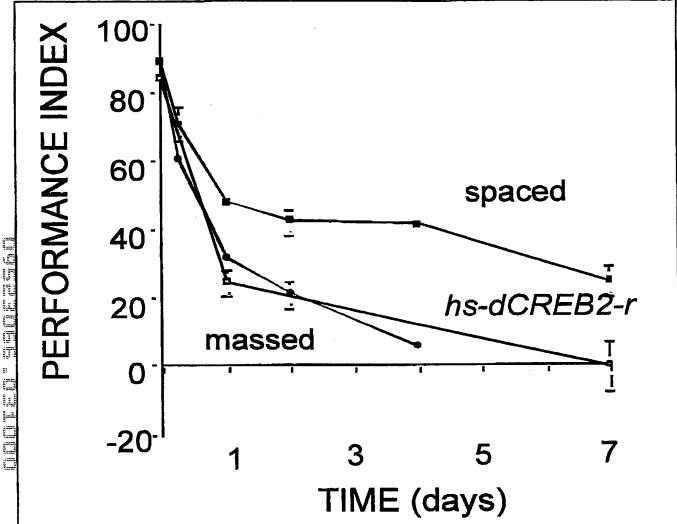


Fig. 2. Memory retention after spaced or massed training in normal flies or spaced training in transgenic hs-dCREB2-r flies after induced expression of CREB repressor. Learning and early memory (cycloheximide insensitive) are normal in transgenic flies. The additional (protein synthesis-dependent) memory normally produced by spaced training is blocked in transgenic flies.

Calculation of gene-expression level with Affy chi 20 princr bairs per gene

A verage difference between PIV and MIV signal

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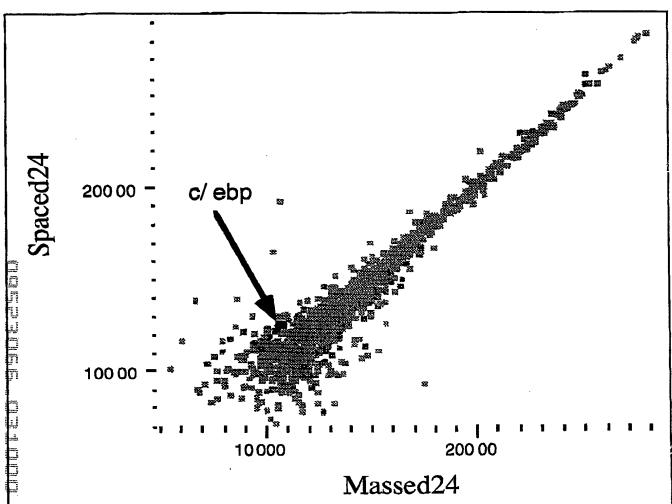


Fig. 4A. Scatterplot of mean transformed normalized average differences from an N = 10 chips each hybridized with probes made from RNA extracted from the heads of normal flies exposed 24 hours earlier to either spaced or massed training.

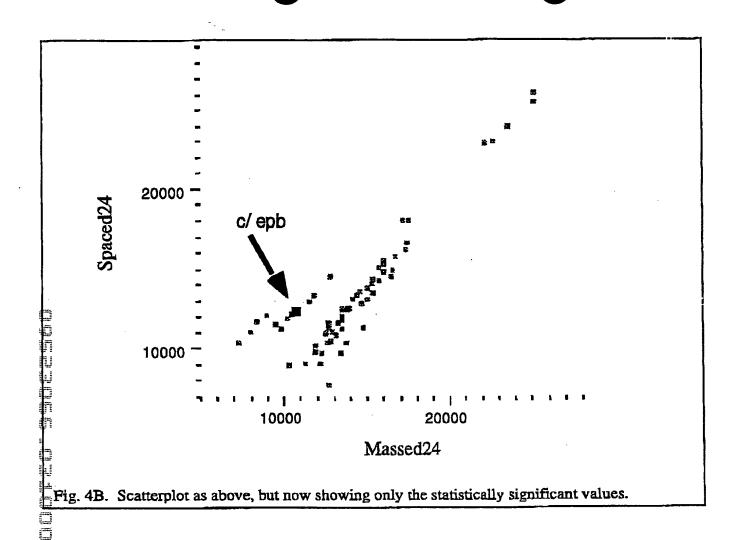


Fig. 4B

QPCR Detection of C/EBP

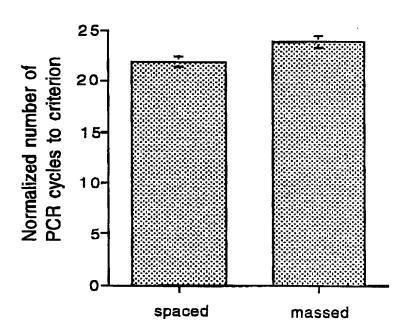
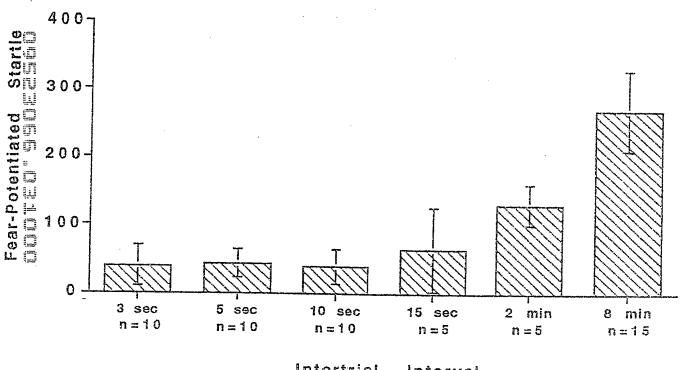


Fig. 5

Memory of Fear-potentiated Startle Response in Rats is Better after Spaced (\geq 8 m) rather than Massed (\leq 10 s) Training



Intertrial Interval

Fig. 6

Overexpression of CREB activator in the Amygdala Enhances Memory of Fear-potentiated Startle in Rats after Massed Training

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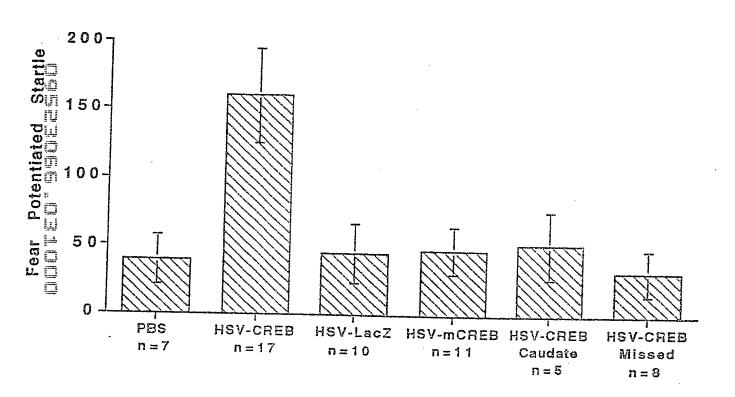


Fig. 7

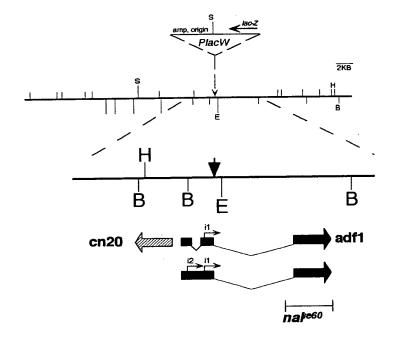


Fig. 8